

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>		<i>Complete if Known</i>	
		Application Number	10/625,825
		Filing Date	7/22/2003
		First Named Inventor	Anatoly E. Martynyuk et al.
		Group Art Unit	1614
		Examiner Name	Spivack
		Attorney Docket Number	10457-069

Examiner Signature	Phyllis Spinack	Date Considered	8/5/05
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1

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First Named Inventor	Anatoly E. Martynyuk
Group Art Unit	1614
Examiner Name	STIVACK
Attorney Docket Number	UF-281D2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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PS	U1	4,279,917		Takami et al.	07-21-1981	All
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PS	U3	4,604,286		Kawajiri	08-05-1986	All
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PS	U15	10/489,807		Martynyuk et al. (patent application)	03-15-2004	All
	U16					
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PS	R14	SAPOLSKY, R.M. "Cellular defenses against excitotoxic insults" <i>Journal of Neurochemistry</i> , 2001, 76:1601-1611.	
PS	R15	SCHOEPP, D.D. et al. "Metabotropic glutamate receptors in brain function and pathology" <i>TiPS</i> , January 1993, 14:13-20.	
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PS	R20	CHOI, D.W. "Excitotoxic Cell Death" <i>J. Neurobiol.</i> , 1992, 23(9):1261-1276.	
PS	R21	DENNIS, D.M. et al. "Homologous Desensitization of the A ₁ -Adenosine Receptor System in the Guinea Pig Atrioventricular Node" <i>J. Pharmacol. Exp. Ther.</i> , 1995, 272(3):1024-1035.	
PS	R22	KOSTYUK, P.G. et al. "Effects of intracellular administration of L-tyrosine and L-phenylalanine on voltage-operated calcium conductance in PC12 pheochromocytoma cells" <i>Brain Res.</i> , 1991, 550:11-14.	
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PS	R25	MARTYNYUK, A.E. et al. "Blocking effect of intraperitoneal injection of phenylalanine on high-threshold calcium currents in rat hippocampal neurons" <i>Brain Res.</i> , 1991, 552:228-231.	
PS	R26	MARTYNYUK, A.E. et al. "Adenosine increases potassium conductance in isolated rabbit atrioventricular nodal myocytes" <i>Cardiovasc. Res.</i> 1995, 30:668-675.	

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Group Art Unit	1614
Examiner Name	SPIVACK

Attorney Docket Number

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PS	R27	MARTYNYUK, A.E. et al. "Hyperkalemia Enhances the Effect of Adenosine on $I_{K,Apo}$ in Rabbit Isolated AV Nodal Myocytes and on AV Nodal Conduction in Guinea Pig Isolated Heart" <i>Circulation</i> , 1999, 99:312-318.	
PS	R28	MOREY, T.E. et al. "Structure-Activity Relationships and Electrophysiological Effects of Short-Acting Amiodarone Homologs in Guinea Pig Isolated Heart" <i>J. Pharmacol. Exp. Ther.</i> , 2001, 297(1):260-266.	
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PS	R33	ZIMA, A. et al. "Antagonism of the Positive Dromotropic Effect of Isoproterenol by Adenosine: Role of Nitric Oxide, cGMP-dependent camp-phosphodiesterase and Protein Kinase G" <i>J. Mol. Cell. Cardiol.</i> , 2000, 32:1609-1619.	
PS	R34	GLUSHAKOV, A.V. et al. "L-phenylalanine selectively depresses currents at glutamatergic excitatory synapses" <i>J. Neurosci. Res.</i> , 2003, 72:116-124.	
PS	R35	GLUSHAKOV, A.V. et al. "Specific inhibition of N-methyl-D-aspartate receptor function in rat hippocampal neurons by L-phenylalanine at concentrations observed during phenylketonuria" <i>Molecular Psychiatry</i> , 2002, 7:359-367.	
PS	R36	LIECHTY, E.A. et al. "Aromatic amino acids are utilized and protein synthesis is stimulated during amino acid infusion in the ovine fetus" <i>J. Nutrition</i> , 1999, 129:1161-1166.	
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Application Number	10/625,825
Filing Date	July 22, 2003
First Named Inventor	Anatoly E. Martynyuk
Group Art Unit	1614
Examiner Name	SPIVACK
Attorney Docket Number	UF-281D2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PS	R14	SAPOLSKY, R.M. "Cellular defenses against excitotoxic insults" <i>Journal of Neurochemistry</i> , 2001, 76:1601-1611.	
PS	R15	SCHOEPP, D.D. et al. "Metabotropic glutamate receptors in brain function and pathology" <i>TiPS</i> , January 1993, 14:13-20.	
PS	R16	SEKIYAMA, N. et al. "Structure-activity relationships of new agonists and antagonists of different metabotropic glutamate receptor subtypes" <i>British Journal of Pharmacology</i> , 1996, 117:1493-1503.	
PS	R17	WATKINS, J. et al. "Phenylglycine derivatives as antagonists of metabotropic glutamate receptors" <i>TiPS</i> , September 1994, 15:333-342.	
PS	R18	ZIPFEL, G.J. et al. "Neuronal apoptosis after CNS injury: The roles of glutamate and calcium" <i>Journal of Neurotrauma</i> , 2000, 17(10):857-869.	
PS	R19	BELARDINELLI, L. et al. "1,3-Dipropyl-8-[2-(5,6-Epoxy)Norbornyl]Xanthine, a Potent, Specific and Selective A ₁ Adenosine Receptor Antagonist in the Guinea Pig Heart and Brain and in DDT, MF-2 Cells" <i>J. Pharmacol. Exp. Ther.</i> , 1995, 275(3):1167-1176.	
PS	R20	CHOI, D.W. "Excitotoxic Cell Death" <i>J. Neurobiol.</i> , 1992, 23(9):1261-1276.	
PS	R21	DENNIS, D.M. et al. "Homologous Desensitization of the A ₁ -Adenosine Receptor System in the Guinea Pig Atrioventricular Node" <i>J. Pharmacol. Exp. Ther.</i> , 1995, 272(3):1024-1035.	
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PS	R23	KRYSTAL, J.H. et al. "NMDA Agonists and Antagonist as Probes of Glutamatergic Dysfunction and Pharmacotherapies in Neuropsychiatric Disorders" <i>Harv. Rev. Psychiatry</i> , Sept.-Oct. 1999, 7(3):125-143.	
PS	R24	LIPTON, S.A. and P.A. ROSENBERG "Excitatory Amino Acids as a Final Common Pathway for Neurologic Disorders" <i>N. Engl. J. Med.</i> , 1994, 330(9):613-622.	
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PS	R26	MARTYNYUK, A.E. et al. "Adenosine increases potassium conductance in isolated rabbit atrioventricular nodal myocytes" <i>Cardiovasc. Res.</i> 1995, 30:668-675.	

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PS	R27	MARTYNYUK, A.E. et al. "Hyperkalemia Enhances the Effect of Adenosine on $I_{K,Ado}$ in Rabbit Isolated AV Nodal Myocytes and on AV Nodal Conduction in Guinea Pig Isolated Heart" <i>Circulation</i> , 1999, 99:312-318.	
PS	R28	MOREY, T.E. et al. "Structure-Activity Relationships and Electrophysiological Effects of Short-Acting Amiodarone Homologs in Guinea Pig Isolated Heart" <i>J. Pharmacol. Exp. Ther.</i> , 2001, 297(1):260-266.	
PS	R29	MOREY, T.E. et al. "Ionic Basis of the Differential Effects of Intravenous Anesthetics on Erythromycin-induced Prolongation of Ventricular Repolarization in the Guinea Pig Heart" <i>Anesthesiology</i> , 1997, 87:1172-1181.	
PS	R30	SEUBERT, C.N. et al. "Midazolam Selectively Potentiates the A_{2A} but not A_1 receptor-mediated Effects of Adenosine" <i>Anesthesiology</i> , 2000, 92:567-577.	
PS	R31	TANAKA, H. et al. "The AMPAR subunit GluR2: still front and center-stage" <i>Brain Res.</i> , 2000, 886:190-207.	
PS	R32	WEISS, J.H. and S.L. SENSI "Ca ²⁺ -Zn ²⁺ permeable AMPA or kainite receptors: possible key factors in selective neurodegeneration" <i>Trends Neurosci.</i> , 2000, 23(8):365-371.	
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PS	R34	GLUSHAKOV, A.V. et al. "L-phenylalanine selectively depresses currents at glutamatergic excitatory synapses" <i>J. Neurosci. Res.</i> , 2003, 72:116-124.	
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PS	R36	LIECHTY, E.A. et al. "Aromatic amino acids are utilized and protein synthesis is stimulated during amino acid infusion in the ovine fetus" <i>J. Nutrition</i> , 1999, 129:1161-1166.	
	R37		
	R38		
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